

In the Claims

Please amend the claims and enter new claims 18-28. This listing of claims replaces all prior versions.

1. (Currently Amended) ~~In a~~ A vehicle washing system ~~having washing, rinsing and waxing functions, the improvement~~ comprising:
 - a) a coating application apparatus constructed and arranged to apply a coating formulation onto a vehicle; and
 - b) a water sheet application apparatus constructed and arranged to apply a ~~continuous~~ sheet of water onto the coating formulation applied to the vehicle to ~~thereby~~ create a coating solution and to ~~evenly~~ disperse the coating formulation on the vehicle.
2. (Currently Amended) The vehicle washing system of claim 1, wherein said water sheet application apparatus further includes a chemical injection device to inject a carnauba wax emulsion into ~~said~~ a water supply for said continuous sheet of water.
3. (Currently Amended) The vehicle washing system of claim 1, wherein said water sheet application apparatus includes a tank structure, a water supply and a weir attached to said tank structure, ~~said weir being disposed at a predetermined angle~~.
4. (Original) The vehicle washing system of claim 3, wherein said water sheet application apparatus further includes a water heater for providing to said tank structure water heated to a range of approximately 100-150 °F (38-66 °C).
5. (Currently Amended) The vehicle washing system of ~~claim 4~~ claim 3, wherein said weir is disposed at angle range between 15 and 20° with respect to a horizontal plane and wherein said water sheet application apparatus dispenses between 5 to 15 gallons (18.9-56.8 liters) of water per application.
6. (Currently Amended) The vehicle washing system of ~~claim 5~~ claim 1, wherein said water sheet application apparatus further includes a chemical injection device to

inject a surfactant, a dye and an optical brightening agent into said a water supply for said continuous sheet of water.

7. (Original) The vehicle washing system of claim 1, wherein said coating application apparatus has a surface reactive silicone spray dispenser.

8. (Original) The vehicle washing system of claim 1, wherein said tank has opposing sides and wherein a water inlet is disposed in each said side.

9. (Original) The vehicle washing system of claim 8, wherein a pipe extends between said opposing sides within said tank and wherein said pipe has a plurality of slots spaced in the bottom thereof.

10. (Original) The vehicle washing system of claim 9, wherein said tank has a trapezoidal cross-sectional configuration.

11. (Currently Amended) A process for applying a coating on a vehicle comprising:
a) applying a liquid coating formulation onto a vehicle; and
b) applying a ~~heated~~ waterfall over the liquid coating formulation applied to the vehicle by releasing the waterfall over the vehicle and allowing the waterfall to drop uninhibited to the vehicle.

12. (Currently Amended) The process of claim 11, further comprising injecting a carnauba wax emulsion into said ~~heated~~ waterfall.

13. (Currently Amended) The process of claim 12, wherein said liquid coating formulation is a surface reactive silicone formulation and wherein said liquid coating formulation is sprayed onto the vehicle and further comprising injecting a dye into said ~~heated~~ waterfall.

14. (Original) The process of claim 11, wherein said liquid coating formulation is

heated and wherein said ~~heated~~ waterfall is applied at a temperature between approximately 100 and 150 °F (38-66 °C).

15. (Original) The process of claim 11, further comprising washing, rinsing and drying the vehicle.

16. (Currently Amended) A vehicle washing system having a plurality of stations comprising:

a) a liquid formulation dispensing station to apply a liquid formulation to a vehicle; and

b) a waterfall dispensing station arranged over the vehicle and constructed and arranged to ~~dump~~ release a generally continuous sheet of water onto a the vehicle, the generally continuous sheet of water falling freely onto the vehicle from a position immediately adjacent the waterfall dispensing station and over the vehicle.

17. (Original) The vehicle washing system of claim 16, wherein said liquid formulation dispensing station is in communication with a detergent source.

18. (New) The system of claim 1, wherein the water sheet application apparatus applies a continuous sheet of unheated water onto the coating applied to the vehicle.

19. (New) The system of claim 1, wherein a lowermost portion of the water sheet application apparatus is arranged above vehicles onto which the water sheet is to be applied, and wherein the water sheet application apparatus applies a continuous sheet of water by dropping the water from a position above the vehicle, allowing the sheet of water to fall freely onto the vehicle.

20. (New) The system of claim 1, wherein the water sheet application apparatus includes a dispensing conduit arranged above the vehicle to drop water directly onto the vehicle to apply the continuous sheet of water onto the coating applied to the vehicle.

21. (New) The system of claim 1, wherein the water sheet application apparatus applies the sheet of water onto the coating formulation to create a coating solution by mixing the sheet of water with the coating formulation.
22. (New) The system of claim 1, wherein the water sheet application apparatus applies the sheet of water onto the coating formulation to create a coating solution by causing the coating solution to dissolve.
23. (New) The system of claim 11, wherein applying a waterfall over the liquid coating formulation applied to the vehicle includes applying the waterfall to mix with the liquid coating formulation and disperse the liquid coating formation on the vehicle.
24. (New) The system of claim 16, wherein the waterfall dispensing station releases the generally continuous sheet of water onto the vehicle to mix with the liquid formulation and disperse the liquid formation on the vehicle.
25. (New) A vehicle wash system having a liquid sheet application arrangement including
- a liquid tank;
 - a water supply to supply water to the tank;
 - a wax supply to supply wax to the liquid tank; and
 - wherein the liquid sheet application arrangement is adapted to apply a sheet of liquid solution including water and wax onto a vehicle beneath the liquid sheet application arrangement.
26. (New) The system of claim 25, wherein the liquid sheet application arrangement applies the sheet of liquid solution to create a coating solution with a coating material on the vehicle, and to disperse the coating material on the vehicle.
27. (New) The system of claim 25, further including a coating material application arrangement adapted to apply a coating material to the vehicle, prior to application of the

sheet of liquid solution, wherein the liquid sheet application arrangement applies the sheet of liquid solution to create a coating solution with a coating material on the vehicle, and to disperse the coating material on the vehicle.

28. (New) The system of claim 25, wherein the liquid sheet application arrangement is adapted to apply a sheet of liquid solution including water and wax onto a vehicle beneath the liquid sheet application arrangement by releasing the sheet of liquid solution from a position above the entire vehicle, allowing the sheet of liquid solution to drop freely from the liquid sheet application arrangement to the vehicle via gravity.